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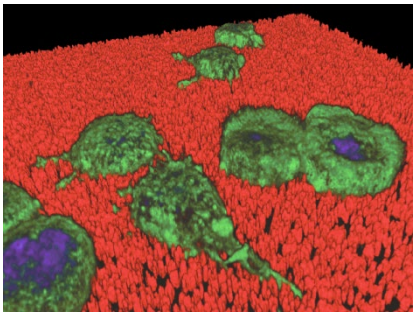
Nature publish HoloMonitor research

Researchers at Lund University have used HoloMonitor technology from Phase Holographic Imaging to investigate the behavior of cells when cultivated on nanowires. The findings were recently published in Scientific Reports – an online journal published by Nature Publishing Group.

Using HoloMonitor® the researchers investigated the effects of nanowire density on cell movement, division and morphology. The results provide guidelines to minimize cellular stress on nanowire arrays. Additionally, the findings show that cell behavior can be controlled by adjusting nanowire density, which may have applications in drug development.



Cells cultivated on nanowires, imaged by HoloMonitor.

"Nature Publishing Group is the most prestigious scientific publisher. Nature's publication is a milestone and the highlight of the publications in 2015. 14 publications were published in 2015, which is an increase by 100 % compared to 2014. In total well over 40 scientific publications have now been published, in which our HoloMonitor technology plays a significant role", said CEO Peter Egelberg.

Links

- Nature's publication: www.nature.com/articles/srep18535
- Complete publication list with explanations: www.phiab.se/publications/articles

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Phase Holographic Imaging (PHI) leads the ground-breaking development of time-lapse cytometry instrumentation and software. With the first instrument introduced in 2011, the company today offers a range of products for long-term quantitative analysis of living cell dynamics that circumvent the drawbacks of traditional methods requiring toxic stains. Headquartered in Lund, Sweden, PHI trades through a network of international distributors. Committed to promoting the science and practice of time-lapse cytometry, PHI is actively expanding its customer base and scientific collaborations in cancer research, inflammatory and autoimmune diseases, stem cell biology, gene therapy, regenerative medicine and toxicological studies.